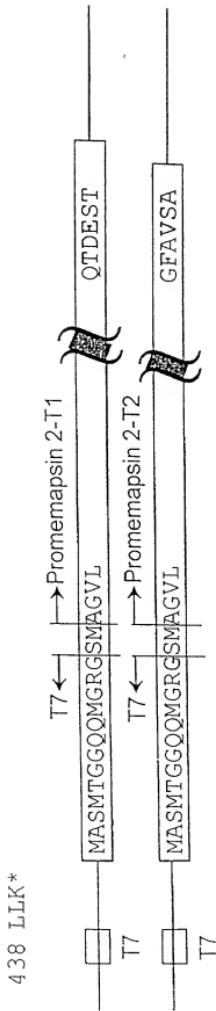


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSGLGGAP LGRLRPRETD
 36p EEPPEPGRRG SFVEMVDNLR GKSGQGYYVE MTVGSPPQTL NILVDTGSSN
 38 FAVGAAPHPF LHRYYQRQLS STYRDLRKGV YVPYTQGKWE GELGTDLVSI
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLPEFF
 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIIG GIDHSLYTGS
 188 LWYTPIREW YYEVIIIVRE INGQDLRMDC KEYNYDKSIV DSGTTNLRLP
 238 KKVFEEAVKS IKAASSTERKF PDGFWLGEQL VCWQAQTTPW NIFPVISLYL
 288 MGEVTNQSFR ITILPQQYL R PVEDVATSQD DCYKFAISQS STGTVMGAVI
 338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGFPVTL DMEDCGYNIP
 388 QTDESTLIMTI AYVMAAIICAL FMLPLCLMVC QWRQLCRLRQ QHDDFADDIS

438 LLK*



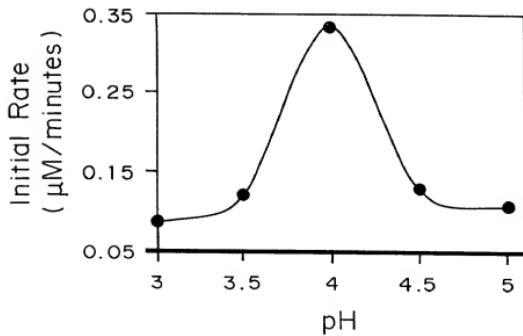


FIG. 2A

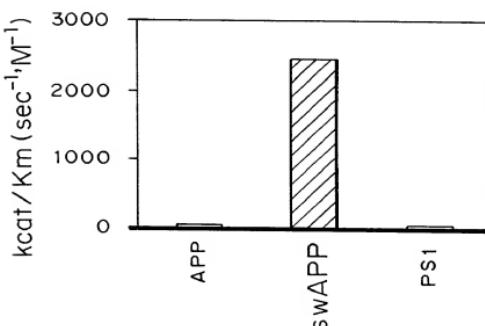
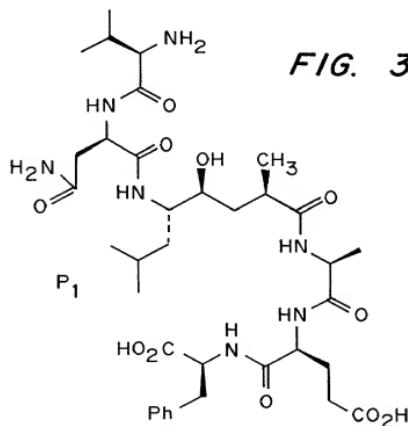
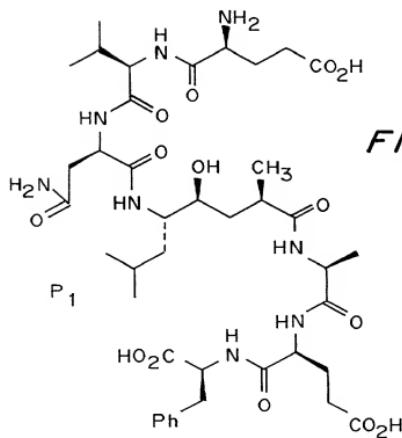


FIG. 2B

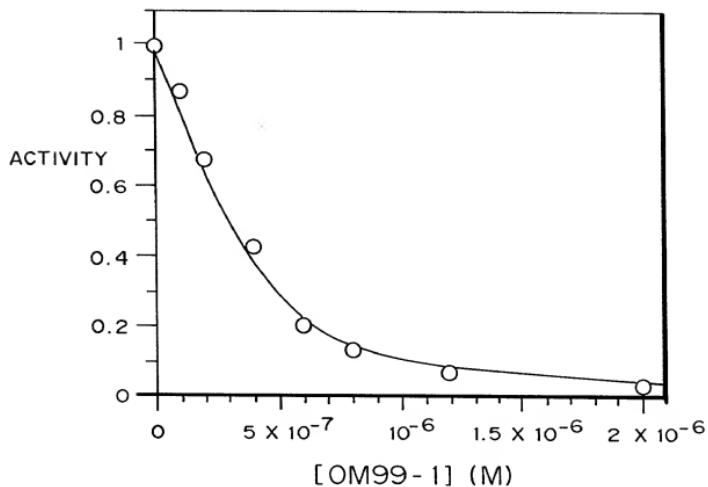


OM99 - 1



OM99 - 2

FIG. 4A



[Mep2] = $0.47 \mu\text{M}$

[Fluo. Substrate] = $29.9 \mu\text{M}$

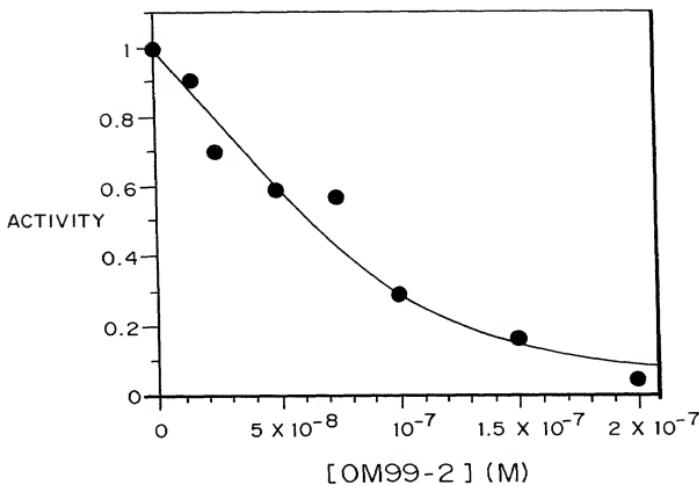
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	$6.84 \text{ e} - 8$	$2.72 \text{ e} - 9$

FIG. 4B



$[E]_0 = 0.11 \mu M$

$[Fluo\ Substrate] = 29.9 \mu M$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e - 10

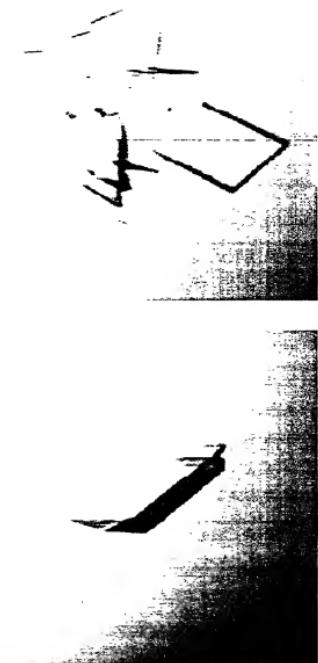


FIG. 5A



FIG. 5B



FIG. 5C



FIG. 5D



FIG. 5E

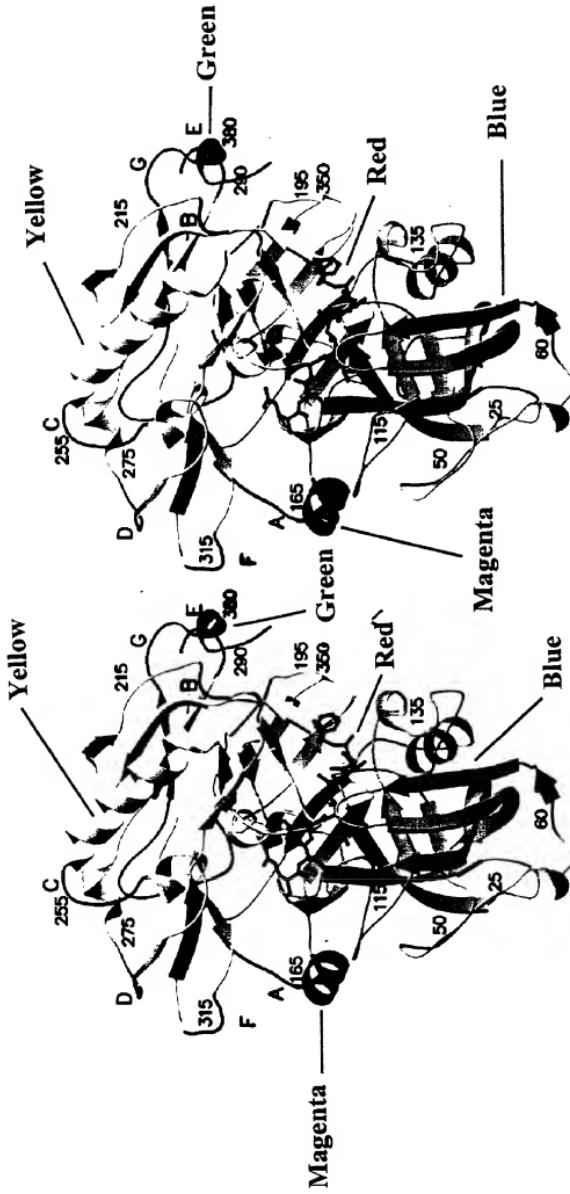
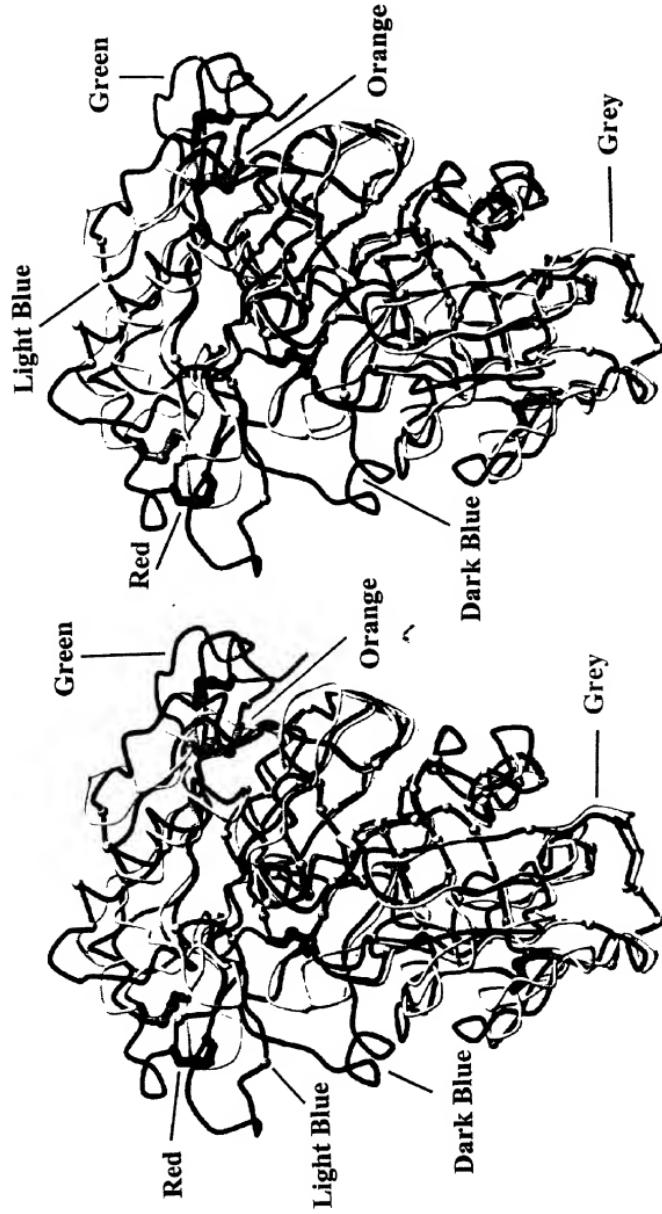
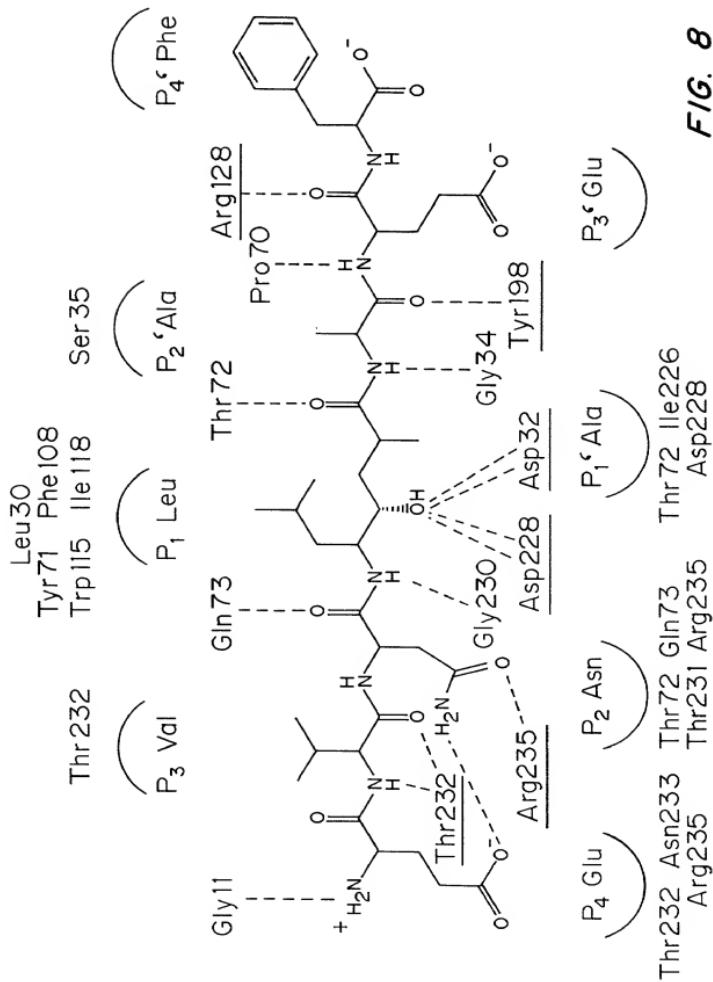


FIG. 6

FIGURE 7

FIG. 7





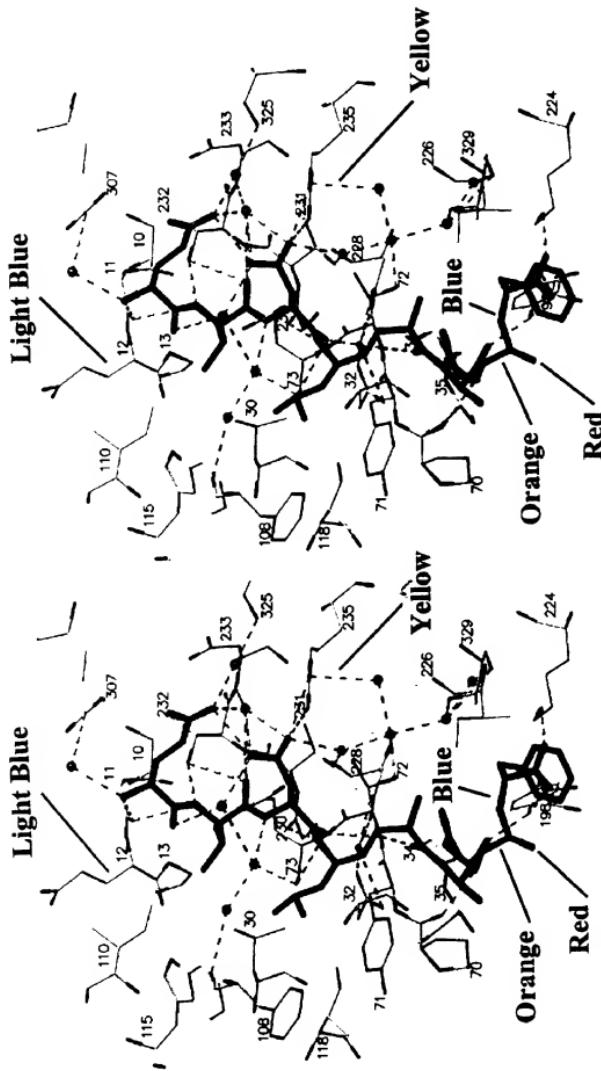


FIG. 9

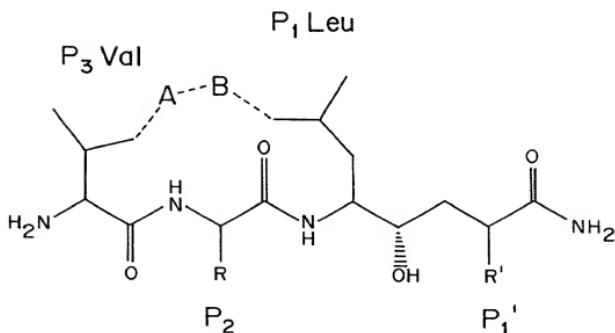


FIG. 10

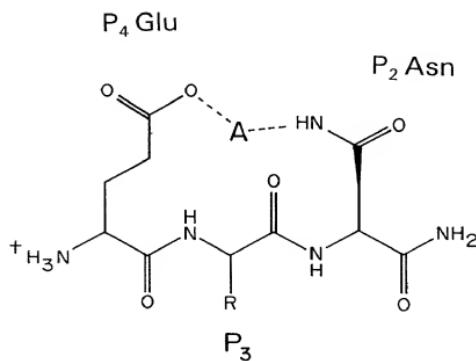
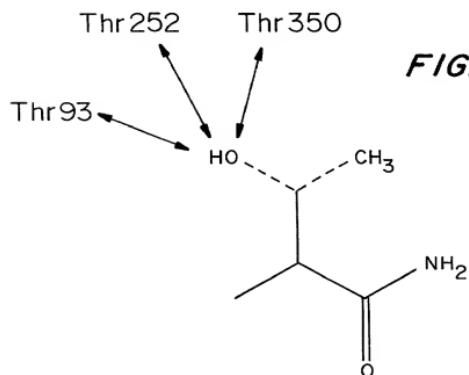


FIG. 11



1003410-32354360

